Technische Universität Dresden - School of Embedded Composite AI (SECAI)


**Research Associate / PhD Student (m/f/x)** *(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)*

The School of Embedded Composite AI (SECAI), a DAAD Konrad Zuse School of Excellence in Artificial Intelligence in cooperation with Leipzig University offers eleven positions as Research Associate / PhD Student (m/f/x) *(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)* starting as soon as possible. The positions are limited for 3 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The positions aim at obtaining further academic qualification (e.g. PhD). Balancing family and career is an important issue. The positions are generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

City: Dresden; Starting Date: At the earliest possible; Duration: for 3 years; Renumeration: E 13 TV-L; Closing date: 09/09/22

**Working field**

Topics and Work Location: Researchers of several disciplines are collaborating in SECAI on advancing AI. The spectrum of available topics ranges from core areas of computer science and electronics over medical applications to societal aspects of AI. SECAI's main research focus areas are:

- Composite AI: How can machine learning and symbolic AI methods be combined?
- AI Compute Paradigms: How will future AI hardware look and how will it be used?
- Intelligent Medical Devices: How can AI advance cybermedical systems?
- AI Methods for Health: How can AI methods support therapy and diagnostics?
- Societal Framework of AI: How can AI become trustworthy and free of legal risks?

The location of work (Dresden or Leipzig) depends on the topic assigned for each position. Information about the available topics and supervisors can be found at https://secai.org/topics/.

Tasks: As a member of the SECAI graduate school, you are answering challenging research questions under the supervision of leading researchers and together with other teams’ members from Dresden and Leipzig. You develop your own research profile, publish and present your findings are international venues, and network with the interna-
tional research community.

Opportunities: SECAI offers a first-class environment for advancing your career. You can work with internationally renowned researchers and benefit from the school’s strong networks in industry and research. The graduation of highly qualified researchers is a central project goal in SECAI and doctoral students receive strong support for their professional and personal development.

Requirements
Very good research-oriented university degree in a discipline that is relevant to SECAI’s research fields (e.g., computer science, mathematics, electronics, medical devices, bioinformatics, or law); fluency in English. Creativity, taking pleasure in research, and a sense for research quality and ethical behavior in research are an advantage. Please specify for which of the topics found at https://secai.org/topics/ you would like to apply.

Application
Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documents by September 9, 2022 (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to markus.kroetzsch@tu-dresden.de or to: TU Dresden, Fakultät Informatik, Institut für Theoretische Informatik, Professur für Wissensbasierte Systeme, Herrn Prof. Dr. Markus Krötzsch, Helmholtzstr. 10, 01069 Dresden, Germany. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews can be reimbursed upon prior invitation.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.

More information at https://stellenticket.de/147241/DDC/
Offer visible until 09/09/22